

SUPPLEMENTARY MATERIAL

Supplementary Material Legend

Supplementary Table 1: Search strategies

Supplementary Table 2: Data charting form

Supplementary Table 1. Search strategy

Database	Search terms	Results
Embase Classic + Embase (1947 – February 10, 2020)	1. ((advance* or prior or prospective*) adj3 consent).tw.	2844
	2. (preconsent or pre-consent).tw.	43
	3. Advance Directives/ and Informed Consent/	1361
	4. 1 or 2 or 3	4206
	5. incapacitated.tw.	1984
	6. *heart infarction/	112881
	7. (cardiac arrest or heart arrest or heart attack or asystole or cardiopulmonary arrest*).tw.	67289
	8. (myocardial infarct* or myocardial isch*).tw.	318778
	9. (cardiac death or heart death or arrhythmic death).tw.	41772
	10. *dementia/	54639
	11. (dementia or alzheimer*).tw.	292062
	12. *cerebrovascular accident/	78550
	13. (stroke or intracerebral h?emorrhage).tw.	385677
	14. *brain hemorrhage/	33439
	15. *epileptic state/	10938
	16. (epilepsy or status epilepticus).tw.	165346
	17. *subarachnoid hemorrhage/	21563
	18. subarachnoid h?emorrhage.tw.	32523
	19. exp *injury/	1111912
	20. ((neurolog* or brain) adj3 (emergenc* or injur* or trauma*)).tw. (114863
	21. emergency care/	44041
	22. (emergency department* or emergency treatment* or emergency setting* or emergency situation*).tw.	149499
	23. emergency treatment/	17365
	24. emergenc*.ti.	142870
	25. *human experiment/	5564
	26. *"clinical trial (topic)"/	10702
	27. *emergency medicine/	27031
	28. *emergency ward/	30666
	29. *clinical research/ or *medical research/	83362
	30. or/5-29	2684505
	31. 4 and 30	629
Ovid MEDLINE(R) ALL (1946 – February 10, 2020)	1. ((advance* or prior or prospective*) adj3 consent).tw.	1159
	2. (preconsent or pre-consent).tw,kf.	25
	3. Advance Directives/ and Informed Consent/	633
	4. or/1-3	1786
	5. incapacitated.tw.	1254
	6. Myocardial Infarction/	163865
	7. (cardiac arrest or heart arrest or heart attack or asystole or cardiopulmonary arrest*).tw.	41358
	8. (myocardial infarct* or myocardial isch*).tw,kw.	218769
	9. (cardiac death or heart death or arrhythmic death).tw,kw.	23707
	10. Dementia/ or (dementia or alzheimer*).tw,kf.	220951
	11. exp Stroke/ or (stroke or intracerebral h?emorrhage).tw,kf.	279104
	12. exp Cerebral Hemorrhage/ or Status Epilepticus/	41146

	13. (epilepsy or status epilepticus).tw,kw.	109855
	14. exp Subarachnoid Hemorrhage/ or subarachnoid h?emorrhage.tw,kw.	29908
	15. exp "Wounds and Injuries"/	889722
	16. ((neurolog* or brain) adj3 (emergenc* or injur* or trauma*)).tw.	79721
	17. Emergency Service, Hospital/	66069
	18. Emergencies/ or Emergency Medicine/ or exp Emergency Treatment/ (164845
	19. (emergency department* or emergency treatment* or emergency setting* or emergency situation*).tw.	97671
	20. emergenc*.ti.	109009
	21. exp Human Experimentation/	12414
	22. Clinical Trials as Topic/ or Biomedical Research/	257452
	23. or/5-22	2295131
	24. 4 and 23	454
EBM Review – Cochrane Central Register of Controlled Trials (February 10, 2020)	1. ((advance* or prior or prospective*) adj3 consent).tw.	3608
	2. (preconsent or pre-consent).tw.	15
	3. Advance Directives/ and Informed Consent/	1
	4. or/1-3	3621
	5. incapacitated.tw.	100
	6. Myocardial Infarction/	10416
	7. (cardiac arrest or heart arrest or heart attack or asystole or cardiopulmonary arrest*).tw. (4770
	8. (myocardial infarct* or myocardial isch*).tw.	30889
	9. (cardiac death or heart death or arrhythmic death).tw.	3461
	10. Dementia/ or (dementia or alzheimer*).tw.	18563
	11. exp Stroke/ or (stroke or intracerebral h?emorrhage).tw.	52260
	12. exp Cerebral Hemorrhage/ or Status Epilepticus/	1030
	13. (epilepsy or status epilepticus).tw,kw.	6807
	14. exp Subarachnoid Hemorrhage/ or subarachnoid h?emorrhage.tw,kw.	1950
	15. exp "Wounds and Injuries"/	22743
	16. ((neurolog* or brain) adj3 (emergenc* or injur* or trauma*)).tw.	6550
	17. Emergency Service, Hospital/	2083
	18. Emergencies/ or Emergency Medicine/ or exp Emergency Treatment/	6536
	19. (emergency department* or emergency treatment* or emergency setting* or emergency situation*).tw.	11275
	20. emergenc*.ti.	7206
	21. exp Human Experimentation/	133
	22. Clinical Trials as Topic/ or Biomedical Research/	33365
	23. or/5-22	180502
	24. 4 and 23	309
	25. (EUCTR* or IRCT* or ISRCT* or CTRI* or JPRN* or DRKS* or CHICTR* or NCT* or ACTRN*).au.	300851
	26. 24 not 25	106
Web of Science (February 10, 2020)	TS=(preconsent or pre-consent)	33
	TS=((advance* or prior or prospective*) NEAR/3 consent)	1870

#2 OR #1	1899
TS=incapacitated	3429
TS=("cardiac arrest" or "heart arrest" or "heart attack" or asystole or "cardiopulmonary arrest*")	49571
TS=("myocardial infarct*" or "myocardial isch*").	326927
TS=("cardiac death" or "heart death" or "arrhythmic death")	31798
I	
TS=(dementia or alzheimer*)	319597
TS=(stroke or "intracerebral h?emorrhage")	345906
TS=(epilepsy or "status epilepticus")	149826
TS="subarachnoid h?emorrhage*"	3980
TS=((neurolog* or brain) NEAR/3 (emergenc* or injur* or trauma*))	118137
TS= ("emergency department*" or "emergency treatment*" or "emergency setting*" or "emergency situation*")	107877
TI=emergenc*	153160
TS=clinical research	346041
TS="human experiment*"	2638
I	
#16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4	1747826
#17 AND #3	343

Supplementary Table 2. Data charting form

SECTION	DATA ITEM	EXTRACTED DATA
Study identification		
	Paper number	
	Journal - Title	
	Article - Title	
	Author last name	
	Type of author (MD/PhD/Other)	MD PhD Other
	Publication date (Year)	
	Country of Origin	Canada United States United Kingdom Other country in North or South America Other country in Europe Other country in Asia Other country in Africa
Study characteristics & methodology		
<i>Medical condition</i>	What is the condition?	Ischemic Stroke ICH Seizure Cardiac Respiratory Psychiatric None [no mentioned condition] Other
	Is the condition neurological?	Yes No
<i>Paper characteristics</i>	Type of research paper	RCT Cohort Case-Control Survey Interview Commentary Philosophical argument Historical review Other
	If clinical study, was Advance consent used?	Yes No Not applicable
Results		
	Author disposition	In favour of advance consent Against advance consent

		No opinion mentioned
	Specific statements	Extract any paragraph of text where advance consent is discussed

ICH = intracerebral hemorrhage; RCT = randomized control trial